

Application No. 09/771,382

Reply to Office Action of November 26, 2008

Amendments to and Listing of the Claims:

Please amend claim 61, without prejudice or disclaimer, and add new claim 62, as set forth in the following listing of claims, which replaces any prior listing of claims:

1. – 32. (Cancelled)
33. (Previously presented) An isolated protein having the amino acid sequence SEQ ID NO:23.
34. (Previously presented) A mature, processed form of the isolated protein of claim 33, having the amino acid sequence SEQ ID NO:35.
35. – 48. (Cancelled)
49. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 33 and a pharmaceutically-acceptable carrier, diluent, or excipient.
50. (Previously presented) The pharmaceutical composition of claim 49 which is immunogenic.
51. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 34 and a pharmaceutically-acceptable carrier, diluent, or excipient.
52. (Previously presented) The pharmaceutical composition of claim 51 which is immunogenic.
53. (Cancelled)
54. (Previously Presented) A pharmaceutical composition comprising the isolated protein variant of claim 59 and a pharmaceutically-acceptable carrier, diluent, or excipient.
55. (Previously presented) The pharmaceutical composition of claim 54 which is immunogenic.
56. (Cancelled)
57. (Previously Presented) A pharmaceutical composition comprising the isolated protein of claim 60 and a pharmaceutically-acceptable carrier, diluent, or excipient.
58. (Previously presented) The pharmaceutical composition of claim 57 which is immunogenic.
59. (Previously Presented) An isolated protein variant of SEQ ID NO:23 or SEQ ID NO:35 comprising at least one conservative amino acid substitution in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein variant is immunogenic.

60. (Previously Presented) An isolated protein comprising at least one deletion of a non-conserved amino acid in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is immunogenic.

61. (Currently Amended) An isolated protein having at least 90% sequence identity to SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is not a wild-type NhhA polypeptide and wherein the isolated protein is immunogenic.

62. (New) An isolated protein having at least 90% sequence identity to SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is a deletion mutant of a wild-type NhhA polypeptide and wherein the isolated protein is immunogenic.